Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-12-33

Date: 02/08/2019

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	150.39 X 149.25 X 151.15	22446	8.122	579.1	25.8	25.5
2	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	149.99 X 149.13 X 151.83	22368	8.619	599.6	26.8	
3	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	149.14 X 149.82 X 149.07	22343	8.991	537.1	24.0	

Note:

The results pertain to the samples received and tested.
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ಬಾಗಲಗುಂಟೆ, ಪಶ್ಚಿಮವಲಯ
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2019-09-12-33

Date: 23/08/2019

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	150.66 X 150.65 X 150.38	22697	8.592	752.6	33.2	33.0
2	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	150.97 X 151.24 X 150.93	22833	8.020	745.7	32.7	
3	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	151.43 X 150.01 X 151.36	22717	8.607	755.4	33.3	

Note:

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-09-12-33**
		Date: 17-07-2019
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-07-2019
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	16-07-2019

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

Note:

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2019-09-12-33**

Date: 30-07-2019

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-07-2019

Sample Type /Size : Precast Cover Slab (100mm)

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 26/07/2019

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-07-2019
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/07/2019

Date: 26/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	19/07/2019	26/07/2019	151.09 X 151.26 X 149.57	22853	8.046	412.4	18.0	18.3
2	Drain Bottom Slab Concrete	M20	19/07/2019	26/07/2019	150.17 X 150.82 X 149.28	22649	8.386	411.4	18.2	
3	Drain Bottom Slab Concrete	M20	19/07/2019	26/07/2019	150.74 X 150.98 X 151.66	22758	8.364	426.3	18.7	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/08/2019

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-07-2019
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	19/07/2019	16/08/2019	150.15 X 151.20 X 151.05	22702	8.005	527.8	23.2	23.2
2	Drain Bottom Slab Concrete	M20	19/07/2019	16/08/2019	151.46 X 149.61 X 151.84	22660	8.445	516.6	22.8	
3	Drain Bottom Slab Concrete	M20	19/07/2019	16/08/2019	150.27 X 149.42 X 151.63	22454	8.880	529.2	23.6	

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